		tion No. Applicant(s)		
Notice of Allowability	10/052,951	NULMAN ET AL.		
	Examiner	Art Unit		
	Rodney G. McDonald	1753		
The MAILING DATE of this communication appe All claims being allowable, PROSECUTION ON THE MERITS IS (herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RI	(OR REMAINS) CLOSED in t or other appropriate commun GHTS. This application is su	his application. If not inclu- ication will be mailed in du	ded e course. <b>THIS</b>	
1. This communication is responsive to Amendment field 11-2	<u>24-03</u> .			
2. The allowed claim(s) is/are 41-45 and 47-73.				
3. $\square$ The drawings filed on <u>11 June 2002</u> are accepted by the Ex	xaminer.			
4. ☐ Acknowledgment is made of a claim for foreign priority un  a) ☐ All b) ☐ Some* c) ☐ None of the:  1. ☐ Certified copies of the priority documents have  2. ☐ Certified copies of the priority documents have  3. ☐ Copies of the certified copies of the priority documents have  International Bureau (PCT Rule 17.2(a)).  * Certified copies not received:	been received. been received in Application	No	cation from the	
Applicant has THREE MONTHS FROM THE "MAILING DATE" of noted below. Failure to timely comply will result in ABANDONM THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.	of this communication to file a ENT of this application.	reply complying with the r	equirements	
5. A SUBSTITUTE OATH OR DECLARATION must be submit INFORMAL PATENT APPLICATION (PTO-152) which give			NOTICE OF	
6. CORRECTED DRAWINGS ( as "replacement sheets") mus  (a) including changes required by the Notice of Draftspers  1) hereto or 2) to Paper No./Mail Date  (b) including changes required by the attached Examiner's Paper No./Mail Date  Identifying indicia such as the application number (see 37 CFR 1. each sheet. Replacement sheet(s) should be labeled as such in the	on's Patent Drawing Review on Section 2 Amendment / Comment or in 84(c)) should be written on the ne header according to 37 CFR	n the Office action of drawings in the front (not the 1.121(d).		
7. DEPOSIT OF and/or INFORMATION about the deposit attached Examiner's comment regarding REQUIREMENT F			. Note the	
Attachment(s)  1. Notice of References Cited (PTO-892)  2. Notice of Draftperson's Patent Drawing Review (PTO-948)  3. Information Disclosure Statements (PTO-1449 or PTO/SB/O-Paper No./Mail Date  4. Examiner's Comment Regarding Requirement for Deposit of Biological Material	6. ☐ Interview Sur Paper No./M 8), 7. ⊠ Examiner's A	rmal Patent Application (Promary (PTO-413), lail Date mendment/Comment tatement of Reasons for Algory & McDores (Primary Examiner	lowance	

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## **EXAMINER'S AMENDMENT**

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with William Konrad on April 14, 2004.

The application has been amended as follows:

Claim 47, line 1, change "46" to "41".

The following is an examiner's statement of reasons for allowance:

Claims 41-45 and 47-59 are allowable over the prior art of record because the prior art of record does not teach the apparatus as claimed including a capacitor; and a sputterable coil insulatively carried by the shield wall and having a first end coupled to the signal source and a second end coupled to the capacitor, wherein the coil substantially encircles the plasma generation area and is positioned to couple energy inductively into the plasma generation area and positioned adjacent to the substrate support member to sputter material from the coil onto the substrate; further including a first power supply coupled to the first target and wherein the source includes a second power supply coupled to the coil.

Claims 60-73 are allowable over the prior art of record because the prior art of record does not teach a method of depositing material on a workpiece in a sputter deposition chamber, comprising sputtering target material onto said workpiece from a

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coil having a first end coupled to a signal source and a second end coupled to ground, said coil being insulatively carried by a shield wall substantially encircling a plasma generation area and positioned adjacent to and at least partially encircling said workpiece; and inductively coupling energy from said coil into said plasma generation area.

Parent Applications 08/851,946, 08/680,335, 08/644,096 and 08/647,184 have been reviewed and references therein have been checked.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

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Any inquiry concerning this communication or earlier communications from the examiner should be directed to Rodney G. McDonald whose telephone number is 571-272-1340. The examiner can normally be reached on M- Th with Every other Friday off.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Nam X. Nguyen can be reached on 571-272-1342. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Rodney G. McDonald Primary Examiner Art Unit 1753

RM April 15, 2004